

SEQUENCE LISTING

<110> Jaskunas, Stanley Richard  
 Li, De-Shan  
 Liu, Ling  
 Zeng, Wei

<120> Use of Resistin to Treat Hematopoietic Disorders

<130> X15478

<160> 14

<170> PatentIn version 3.1

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 <212> DNA  
 <213> Homo sapiens

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 <222> (1)..(327)  
 <223> Human Resistin Polynucleotide

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 tttagggcaa taagcagcat tggcctggag tgccagagcg tcacctccag gggggacctg 180  
 gctacttgcc cccgaggctt cgccgtcacc ggctgcactt gtggctctgc ctgtggtctg 240  
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 gcgcgctgct gtcgtgtgca gccctga 327

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 <222> (1)..(108)  
 <223> Human Resistin Polypeptide

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Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val  
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Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile

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Gln	Glu	Val	Ala	Gly	Ser	Leu	Ile	Phe	Arg	Ala	Ile	Ser	Ser	Ile	Gly
	35					40						45			
Leu	Glu	Cys	Gln	Ser	Val	Thr	Ser	Arg	Gly	Asp	Leu	Ala	Thr	Cys	Pro
	50					55					60				
Arg	Gly	Phe	Ala	Val	Thr	Gly	Cys	Thr	Cys	Gly	Ser	Ala	Cys	Gly	Ser
	65				70					75				80	
Trp	Asp	Val	Arg	Ala	Glu	Thr	Thr	Cys	His	Cys	Gln	Cys	Ala	Gly	Met
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Asp	Trp	Thr	Gly	Ala	Arg	Cys	Cys	Arg	Val	Gln	Pro				
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 <223> Mature Human Resistin Polypeptide

<400> 3

Lys	Thr	Leu	Cys	Ser	Met	Glu	Glu	Ala	Ile	Asn	Glu	Arg	Ile	Gln	Glu
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Val	Ala	Gly	Ser	Leu	Ile	Phe	Arg	Ala	Ile	Ser	Ser	Ile	Gly	Leu	Glu
		20					25						30		
Cys	Gln	Ser	Val	Thr	Ser	Arg	Gly	Asp	Leu	Ala	Thr	Cys	Pro	Arg	Gly
	35						40					45			
Phe	Ala	Val	Thr	Gly	Cys	Thr	Cys	Gly	Ser	Ala	Cys	Gly	Ser	Trp	Asp
	50				55						60				
Val	Arg	Ala	Glu	Thr	Thr	Cys	His	Cys	Gln	Cys	Ala	Gly	Met	Asp	Trp
65				70					75				80		
Thr	Gly	Ala	Arg	Cys	Cys	Arg	Val	Gln	Pro						
			85					90							

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<222> (1)..(108)  
<223> Human Resistin Allelic Variant

<400> 4

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val  
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile  
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly  
35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro  
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser  
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Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met  
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro  
100 105

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<400> 5

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val  
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile  
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly  
35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro  
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser  
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met  
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro  
100 105

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Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val  
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile  
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly  
35 40 45

Arg Gly Ser Glu Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro  
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser  
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met  
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro  
100 105

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<223> Human Resistin Allelic Variant

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<223> Xaa=Gly or Glu

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<223> Xaa=Cys or Ser

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<222> (51)..(51)  
<223> Xaa=Gln or Glu

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Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val  
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Gln  
20 25 30

Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Xaa  
35 40 45

Xaa Xaa Xaa Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg  
50 55 60

Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp  
65 70 75 80

Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp  
85 90 95

Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro  
100 105

<210> 8  
<211> 39  
<212> DNA  
<213> Artificial Sequence

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<223> Synthetic Construct

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<210> 9  
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<212> DNA  
<213> Artificial Sequence

<220>  
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<400> 9  
cgcgatatcg ggctgcacac gacagcagc

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<212> DNA  
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<220>  
<223> Synthetic Construct

<400> 10  
agccatcaat gagaggatcc a

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<210> 11  
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<212> DNA  
<213> Artificial Sequence

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<223> Synthetic Construct

<400> 11  
tccaggccaa tgctgcttat

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<212> DNA  
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<210> 13  
<211> 114  
<212> PRT  
<213> rattus sp.

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<223> Rat resistin protein

<400> 13

Met Lys Asn Leu Ser Phe Leu Leu Leu Phe Leu Phe Phe Leu Val Leu  
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Gly Leu Leu Gly Pro Ser Met Ser Leu Cys Pro Met Asp Glu Ala Ile  
20 25 30

Ser Lys Lys Ile Asn Gln Asp Phe Ser Ser Leu Leu Pro Ala Ala Met  
35 40 45

Lys Asn Thr Val Leu His Cys Trp Ser Val Ser Ser Arg Gly Arg Leu  
50 55 60

Ala Ser Cys Pro Glu Gly Thr Thr Val Thr Ser Cys Ser Cys Gly Ser  
65 70 75 80

Gly Cys Gly Ser Trp Asp Val Arg Glu Asp Thr Met Cys His Cys Gln  
85 90 95

Cys Gly Ser Ile Asp Trp Thr Ala Ala Arg Cys Cys Thr Leu Arg Val  
100 105 110

Gly Ser

<210> 14  
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<223> Mouse resistin protein

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Met Lys Asn Leu Ser Phe Pro Leu Leu Phe Leu Phe Phe Leu Val Pro  
1 5 10 15

Glu Leu Leu Gly Ser Ser Met Pro Leu Cys Pro Ile Asp Glu Ala Ile  
20 25 30

Asp Lys Lys Ile Lys Gln Asp Phe Asn Ser Leu Phe Pro Asn Ala Ile  
35 40 45

Lys Asn Ile Gly Leu Asn Cys Trp Thr Val Ser Ser Arg Gly Lys Leu  
50 55 60

Ala Ser Cys Pro Glu Gly Thr Ala Val Leu Ser Cys Ser Cys Gly Ser  
65 70 75 80

Ala Cys Gly Ser Trp Asp Ile Arg Glu Glu Lys Val Cys His Cys Gln  
85 90 95

Cys Ala Arg Ile Asp Trp Thr Ala Ala Arg Cys Cys Lys Leu Gln Val  
100 105 110

Ala Ser